



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) : Steven D. Cech  
TITLE : **SYSTEM AND METHOD FOR  
INSPECTING THE STRUCTURAL  
INTEGRITY OF VISIBLY CLEAR  
OBJECTS**  
APPLICATION NO. : 09/980,851  
FILED : June 11, 2002  
CONFIRMATION NO. : 3678  
EXAMINER : Stafira, Michael Patrick  
ART UNIT : 2877  
LAST OFFICE ACTION : January 27, 2004  
ATTORNEY DOCKET NO. : PSSZ 2 00066  
Cleveland, OH 44114  
July 26, 2004

INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, 1.98 and MPEP § 609, applicant submits the following Disclosure Statement concerning art of which the applicant is aware. A copy of PTO-1449 is enclosed herewith.

This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein or submitted herewith is "prior art" for this invention unless specifically designated as such.

In accordance with 37 C.F.R. §1.97(g) and (h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

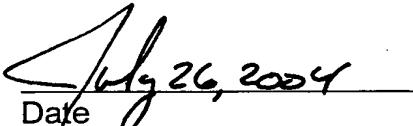
Under § 1.98(a)(3), no concise explanation of relevance is required for information that is in the English language. Accordingly, only items AM and AN warrant an explanation of relevance. Item AM (DE 32 45 908 A1) relates to an automatic tester for glass bottles that uses lateral through illumination and detects impurities by measuring light intensity with lateral and lower photocells. According to the attached English abstract, bottles are illuminated from the side and light passes through the cylindrical parts to photocells. Light is reflected from the insides of the neck following refraction and passes through the bottom of the bottle to photocells below the bottle. Light intensity differences caused by foreign bodies and fouling are detected and used to produce switching signals to control the routing of bottles to conveyor belts. Item AN (DE 36 11 536 A1) relates to an automatic bottle checking system that has a light source, two linear photo detector arrays, and a CCD camera. According to the attached English abstract, the bottles are conveyed with space between them and are rotated about their longitudinal axis in a selected part of a measuring area. The uniform light source is positioned in the measuring area on one side of the conveyor. To check side wall thickness and condition, a linear light detector array is positioned on the other side of the conveyor, whereby the bottles are scanned by a mirror. Two linear detector arrays are provided and each array scans alternate bottles using a mirror. The two-dimensional array, a further scanning mirror and a chopper are used to monitor bottle geometry.

Under § 1.97(c)(2), this information shall be considered if filed before the mailing date of a final action if accompanied by a fee in the amount of \$180.00 as required by §1.17(p). Accordingly, the necessary fee accompanies this Information Disclosure Statement. Any overpayment or deficiency can be charged to Deposit Account No. 06-0308.

It is respectfully requested that the attached documents be considered and officially cited in examination of this application.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
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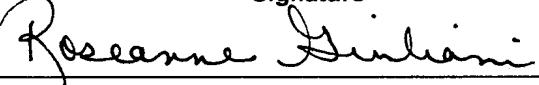
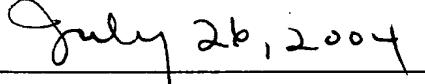
CERTIFICATE OF MAILING

I certify that this Information Disclosure Statement and accompanying document(s) are being

deposited with the United States Postal Service as First Class mail under 37 C.F.R. 1.8, addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

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	Roseanne Giuliani

<p>Substitute for Form 1449/PTO JUL 26 2004 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)</b> (Use as many sheets as necessary)</p>	<b>COMPLETE IF KNOWN</b>	
	Application Number	09/980,851
	Filing Date	June 11, 2002
	First Named Inventor	Steven D. Cech
	Art Unit	2877
	Examiner Name	Stafira, Michael Patrick
Sheet 1 of 1	Attorney Docket No.	PSSZ 2 00066

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	US-3,356,203		12-05-1967	B. A. Noble et al.	
AB	US-3,778,617		12-11-1973	Calhoun	
AC	US-4,367,405		01-04-1983	Ford	
AD	US-4,486,776		12-04-1984	Yoshida	
AE	US-5,141,110		08-25-1992	Trischan et al.	
AF	US-5,583,337		12-10-1996	Chan	
AG	US-				
AH	US-				
AI	US-				
AJ	US-				
AK	US-				
AL	US-				

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code-Number Kind Code (if known)				
AM	DE 32 45 908 A1 (English abstract only)		14.6.84			
AN	DE 36 11 536 A1 (English abstract only)		15.10.87			
AO	EP 0 587 037 A2		16.03.94			
AP						

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published	T
AQ	Communication		
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Examiner Signature		Date Considered	
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